



Water-Data Report 2008

**08065800 Bedias Creek near Madisonville, TX**

Lower Trinity Basin  
Lower Trinity-Kickapoo Subbasin

LOCATION.--Lat 30°53'05", long 95°46'40" referenced to North American Datum of 1983, Walker County, TX, Hydrologic Unit 12030202, on right bank at downstream side of bridge on U.S. Highways 75 and 190, 0.5 mi upstream from Interstate Highway 45, 1.5 mi downstream from Caney Creek, and 9.5 mi southeast of Madisonville.

DRAINAGE AREA.--321 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Oct. 1967 to current year.

PERIOD OF RECORD, Water-Quality.--Chemical data: July 1962 to Apr. 1964, Jan. 1968 to Sept. 1974, Oct. 1984 to Sept. 1987, June 2002.Biochemical data: Sept. 1970 to Sept. 1974, Apr. 1985 to June 1988, Apr. 1993 to Sept. 1995.Pesticide data: Apr. 1985 to Apr. 1988.Suspended sediment data: Oct. 1984 to Sept. 1986, June 2002.Specific conductance: Oct. 1984 to Sept. 1987, June 2002.Water temperature: Oct. 1984 to Sept. 1987, June 2002.

GAGE.--Water-stage recorder. Datum of gage is 150.00 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair. No known regulation or diversions. Flow may be slightly affected at times by discharge from the flood-detention pools of three floodwater-retarding structures. These structures control runoff from 2.71 mi<sup>2</sup> in the upper Caney Creek and Town Branch drainage basins. No flow at times. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1910, 34 ft in May 1922 (discharge unknown), from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Feb 17	1000	*8,400	*19.38
Mar 12	1430	4,430	17.27

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**08065800 Bedias Creek near Madisonville, TX—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	1.4	0.79	10	19	756	24	130	6.1	0.85	0.53	0.08	0.23
<b>2</b>	1.4	0.63	7.7	15	845	23	65	5.5	0.81	0.31	0.08	0.21
<b>3</b>	1.4	0.74	5.6	11	259	45	44	5.3	0.73	0.26	0.08	0.22
<b>4</b>	1.2	1.3	4.3	9.7	85	132	165	5.2	0.70	0.22	0.08	0.21
<b>5</b>	0.90	1.1	4.0	8.9	54	173	1,570	5.2	0.73	0.20	0.97	0.21
<b>6</b>	0.98	0.97	3.3	7.9	38	85	2,500	5.7	0.67	0.19	4.8	0.21
<b>7</b>	0.90	0.86	3.1	7.5	27	174	1,770	5.8	0.68	0.18	8.5	0.19
<b>8</b>	0.78	0.91	3.0	6.9	22	613	181	5.9	0.64	0.16	1.3	0.20
<b>9</b>	0.83	0.83	3.3	6.5	18	448	89	5.6	0.60	0.15	0.50	0.20
<b>10</b>	0.89	0.78	3.6	6.1	15	366	57	5.5	0.74	0.15	0.33	0.21
<b>11</b>	0.76	0.80	3.8	5.9	13	1,760	42	5.2	0.64	0.14	0.24	0.21
<b>12</b>	0.73	0.85	5.0	5.8	19	3,710	32	5.2	0.68	0.16	0.24	0.21
<b>13</b>	0.75	0.89	45	5.6	68	2,660	25	4.3	1.3	0.21	1.5	72
<b>14</b>	0.56	0.93	127	5.2	115	340	20	3.7	0.93	0.23	1.1	412
<b>15</b>	0.78	0.92	1,220	9.3	67	128	16	243	0.75	0.22	1.1	492
<b>16</b>	0.76	0.88	2,070	7.2	2,290	87	14	601	0.61	0.27	0.56	501
<b>17</b>	1.2	2.4	2,730	5.6	7,260	61	12	573	0.42	1.1	0.32	140
<b>18</b>	0.72	52	905	5.3	4,960	49	29	120	0.33	0.56	0.26	36
<b>19</b>	0.34	127	103	18	2,650	268	87	37	0.27	0.39	4.6	18
<b>20</b>	0.25	62	365	38	446	999	97	17	0.25	0.33	48	12
<b>21</b>	0.32	14	471	53	143	1,630	44	9.5	0.23	0.31	46	7.9
<b>22</b>	0.41	4.2	226	30	112	319	25	5.6	0.22	0.31	58	5.8
<b>23</b>	0.40	1.8	69	20	80	105	17	3.6	0.21	0.24	12	4.6
<b>24</b>	0.33	33	38	57	60	69	14	2.5	0.32	0.20	3.8	3.8
<b>25</b>	0.47	415	25	180	48	51	11	2.1	0.42	0.18	1.5	3.2
<b>26</b>	0.93	370	30	184	40	41	9.5	1.7	0.34	0.16	0.87	2.8
<b>27</b>	0.85	163	61	146	34	34	8.0	1.5	0.28	0.13	0.59	2.7
<b>28</b>	0.72	50	82	99	29	30	7.1	1.3	0.36	0.12	0.42	2.5
<b>29</b>	0.66	24	53	56	26	29	6.7	1.2	0.51	0.10	0.33	2.3
<b>30</b>	0.67	14	34	37	---	57	6.3	1.0	0.93	0.09	0.28	2.3
<b>31</b>	0.66	---	24	214	---	323	---	0.90	---	0.08	0.24	---
<b>Total</b>	23.95	1,346.58	8,734.7	1,280.4	20,579	14,833	7,093.6	1,696.10	17.15	7.88	198.67	1,723.41
<b>Mean</b>	0.77	44.9	282	41.3	710	478	236	54.7	0.57	0.25	6.41	57.4
<b>Max</b>	1.4	415	2,730	214	7,260	3,710	2,500	601	1.3	1.1	58	501
<b>Min</b>	0.25	0.63	3.0	5.2	13	23	6.3	0.90	0.21	0.08	0.08	0.19
<b>Ac-ft</b>	48	2,670	17,330	2,540	40,820	29,420	14,070	3,360	34	16	394	3,420

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2008, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	208	212	273	332	359	306	215	295	281	48.9	22.8	80.6
<b>Max</b>	3,021	1,495	1,279	2,015	1,580	1,353	1,333	1,046	1,745	614	266	1,551
(WY)	(1985)	(2001)	(2003)	(1991)	(1992)	(2001)	(1969)	(1969)	(1968)	(2007)	(1995)	(1974)
<b>Min</b>	0.00	0.03	0.22	1.99	3.84	3.13	2.30	2.10	0.43	0.01	0.00	0.00
(WY)	(1979)	(1989)	(1968)	(1971)	(2000)	(1971)	(1981)	(2002)	(1998)	(1977)	(1969)	(1969)

**08065800 Bedias Creek near Madisonville, TX—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>	<b>Water Years 1968 - 2008</b>
<b>Annual total</b>	141,837.13	57,534.44	
<b>Annual mean</b>	389	157	219
<b>Highest annual mean</b>			530
<b>Lowest annual mean</b>			18.2
<b>Highest daily mean</b>	8,200	Jan 15	26,800
<b>Lowest daily mean</b>	0.25	Oct 20	0.00
<b>Annual seven-day minimum</b>	0.36	Oct 19	0.00
<b>Maximum peak flow</b>		8,400	39,600
<b>Maximum peak stage</b>		19.38	25.83
<b>Annual runoff (ac-ft)</b>	281,300	114,100	158,400
<b>10 percent exceeds</b>	1,140	248	448
<b>50 percent exceeds</b>	24	5.3	9.1
<b>90 percent exceeds</b>	0.93	0.23	0.11

